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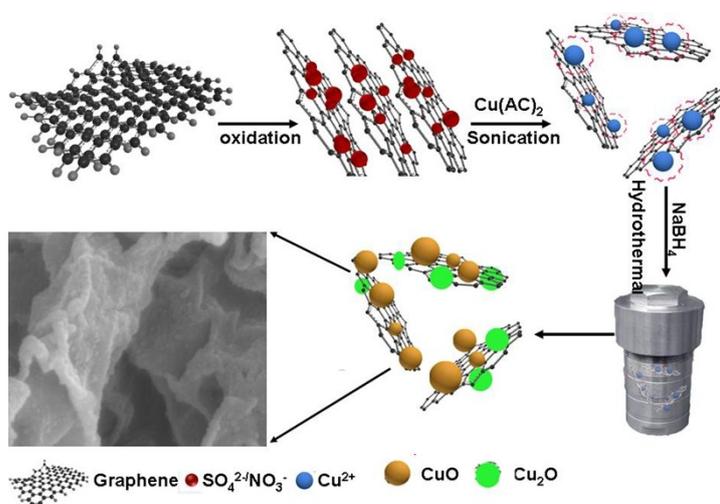
Facile hydrothermal synthesis CuO-Cu₂O/GO nanocomposite for photocatalytic degradation of organic dyes and tetracycline pollutants

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Scheme S1. Schematic illustration of the formation mechanism of the CuO-Cu₂O/GO composite

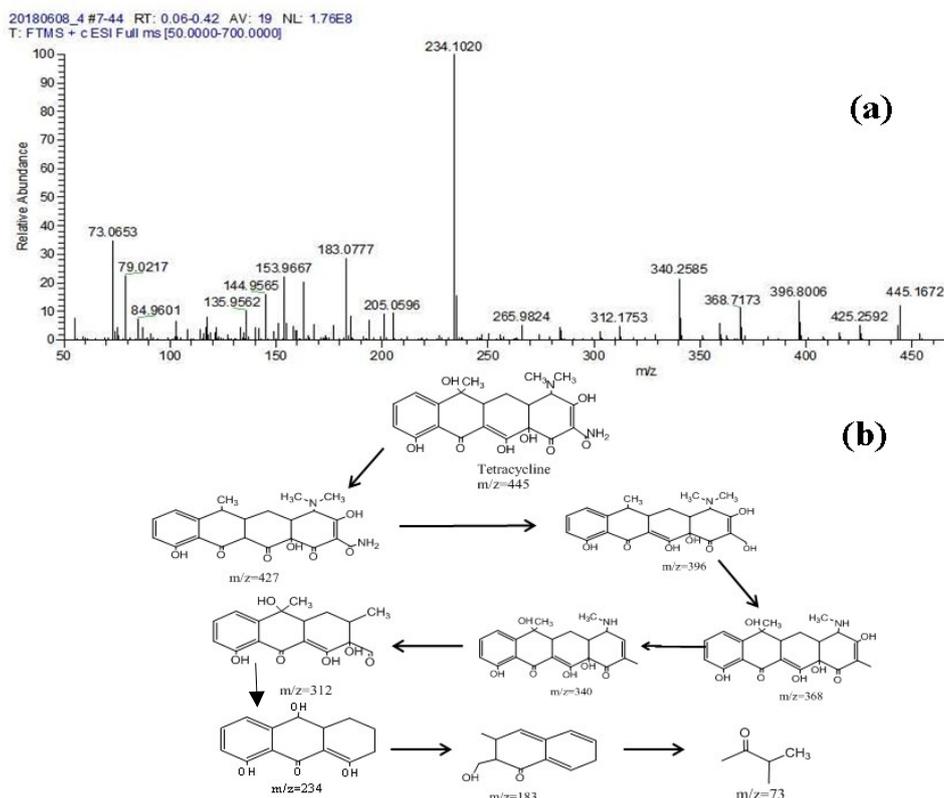


Fig. S1. (a) m/z of degraded TC in 120 min visible-light irradiation, (b) The proposed main intermediates of photodegradation of TC irradiation by visible light for 120 min.

Table S1. Comparison of heterostructures photocatalytic degradation of target pollutants under the visible light.

Heterostructure Materials	target pollutants	Ref
ZnS:Mn/MWCNTs	MB	1
Ag/BiPO ₄	MB	2
CuO/BiFeO ₃	MO	3
CuO/ZnO	MB	4
Nd ₂ O ₃ /ZnO-GO	MB	5
BiFeWO ₆ /MoS ₂	MB	6
CuO /TiO ₂	MB/4-Nitrophenol	7
ZnO/CuO/GO	RhB	8
Ag/ZnO	RhB	9
CdO-Graphene	MB/ MO/ RhB	10
CuO-Cu ₂ O/GO	Tetracycline/MO	This work

Annotations: MB= Methylene Blue; MO= Methylene Orange; RhB= Rhodamine B

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